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### (54) DEVICE OF MEASURING FREE LIGAND IN BODY FLUID

#### (57)Abstract:

PROBLEM TO BE SOLVED: To provide a measuring method of the concentration of free ligands in a body fluid, which is important for the diagnosis of various diseases, with no effect of endogenous ligand receptors with more accuracy than before.

SOLUTION: In a 2-step competitive immunoassay known as a measuring method of free ligands in a body fluid, by using a natural substance on the synthesizing and metabolic pathway of ligands in a living body and a chemically modified derivative as a substance to be labeled, the displacement action between ligands once bound to a solid-phase antibody, which causes reduction in measurement accuracy, and labeled ligands is reduced.

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#### LEGAL STATUS

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